## **Coding Assignment 1**

We have a student marks table containing subject wise marks. Students can attempt exams for the subject as many time he/she want. In the below example roll no: 1 student attempted DS exam twice. 1st time he got 25 marks, 2nd time he got 40 marks.

## **Input Dataframe:**

Roll No	Subject	Marks	Date
1	DS	25	01-01-23
1	Java	40	02-01-23
2	DS	30	01-01-23
2	Java	26	02-01-23
1	DS	40	15-01-23
2	Java	50	15-01-23

Input frame contains multiple entries. So, in the output we want a unique **Roll no,Subject** entry. Where M1 is the latest marks, M2 is the second latest marks, M3 is third latest marks. E.g roll no 1 student scored 25 in 1st attempt and 40 in 2nd DS subject attempt. So, M1 = 40 (latest score) and M2 = 25 (second latest score). M3 = 0 (as there is no third attempt of these subjects). E.g 2: Suppose a student attempted the same subject 5 times. So only the last three attempts are considered, the rest two will be ignored. Date is the last attempted date. E.g M1 attempt date.

## **Output Dataframe:**

Roll No	Subject	M1	M2	М3	Date
1	DS	40	25	0	15-01-23
1	Java	40	0	0	02-01-23
2	DS	30	0	0	01-01-23
2	Java	50	26	0	15-01-23